

IN THE
UNITED STATES PATENT AND TRADEMARK OFFICE

APR 15 2004
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PATENT & TRADEMARK OFFICE
Inventor(s): Daniel R. Blakley

Confirmation No.: 1278

Application No.: 10/698,834

Examiner:

Filing Date: Oct. 31, 2003

Group Art Unit: 2856

Title: TRANSDUCER-BASED SENSOR SYSTEM AND METHOD

Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

This Information Disclosure Statement is submitted:

under 37 CFR 1.97(b), or
(Within three months of filing national application; or date of entry of national application; or before mailing date of first office action on the merits; whichever occurs last)

under 37 CFR 1.97 (c) together with either a:
 Statement under 37 CFR 1.97(e), or
 a \$180.00 fee under 37 CFR 1.17(p), or
(After the CFR 1.97 (b) time period, but before final action or notice of allowance, whichever occurs first)

under 37 CFR 1.97 (d) together with a:
 Statement under 37 CFR 1.97(e)(1) or (2), and
 a \$180.00 fee set forth in 37 CFR 1.17(p).
(Filed after final action, a notice of allowance, on or before payment of the issue fee)

Please charge to Deposit Account **08-2025** the sum of \$0.00. At any time during the pendency of this application, please charge any fees required or credit any overpayment to Deposit Account **08-2025** pursuant to 37 CFR 1.25.

Applicant(s) submit herewith Form PTO 1449 - Information Disclosure Statement together with any required copies of patents, publications or other information of which applicant(s) are aware, which applicant(s) believe(s) may be material to the examination of this application and for which there may be a duty to disclose in accordance with 37 CFR 1.56.

A concise explanation of the relevance of foreign language patents, foreign language publications and other foreign language information listed on PTO Form 1449, as presently understood by the individuals(s) designated in 37 CFR 1.56 (c) most knowledgeable about the content is given on the attached sheet, or where a foreign language patent is cited in a search report or other action by a foreign patent office in a counterpart foreign application, an English language version of the search report or action which indicates the degree of relevance found by the foreign office is listed on form PTO 1449 and is enclosed herewith.

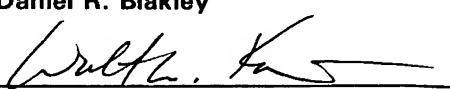
It is requested that the information disclosed herein be made of record in this application.

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, Alexandria, VA 22313-1450. Date of Deposit: Apr. 9, 2004
OR

Respectfully submitted,

Daniel R. Blakley

By

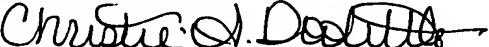


Walter W. Karnstein

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Signature: 

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PATENT APPLICATION

Sheet 1 of 2

FORM PTO-1449

**LIST OF PATENTS AND PUBLICATIONS FOR
APPLICANT'S INFORMATION DISCLOSURE
STATEMENT**

(Use several sheets if necessary)

ATTY. DOCKET NO.	APPLICATION NO.	CONFIRMATION NO.
100204885-1	10/698,834	1278
APPLICANT		
Daniel R. Blakley		
FILING DATE	GROUP	
Oct. 31, 2003	2856	

REFERENCE DESIGNATION
U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	PUBLICATION DATE	NAME	Pages, Columns, Lines Where Relevant Passages or Figures Appear
1A	3,582,838	06/01/1971	DeVries	
1B	3,983,424	09/28/1976	Parks	
1C	4,055,072	10/25/1977	Fletcher et al.	
1D	5,448,126	09/05/1995	Eda et al.	
1E	5,477,098	12/19/1995	Eguchi et al.	
1F	6,144,332	11/07/2000	Reindl et al.	
1G	2002/0011761	01/31/2002	Takeuchi et al.	
1H				
1I				
1J				
1K				

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	PUBLICATION DATE	NAME OF PATENTEE OR APPLICANT	Pages/Columns/Lines Where Relevant Passages/Figures Appear	Check if Translation attached
	1L	JP 55-40967	03/22/1980	Toshiba Corp.		X
	1M					
	1N					
	1O					
	1P					

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

1Q	"In Situ Interfacial Mass Detection With Piezoelectric Transducers", Michael D. Ward et al., Science, Vol. 249, Issue 4972, August 31, 1990, pp. 1000-1007
1R	"A Novel Immunosensor for Herpes Viruses", Bernd Konig et al., Analytical Chemistry, Vol. 66, No. 3, February 1, 1994, pp. 341-344
1S	"Piezoelectric Mass-Sensing Devices as Biosensors - An Alternative to Optical Biosensors?", Andreas Janshoff et al., The Quartz-Crystal Microbalance in Life Science, Amer. Chem. Int. Ed. 2000, 39, pp. 4004-4032

EXAMINER

DATE CONSIDERED

FORM PTO-1449		ATTY. DOCKET NO. 100204885-1	APPLICATION NO. 10/698,834	CONFIRMATION NO. 1278
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT		APPLICANT Daniel R. Blakley		
(Use several sheets if necessary)		FILING DATE Oct. 31, 2003	GROUP 2856	

REFERENCE DESIGNATION U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	PUBLICATION DATE	NAME	Pages, Columns, Lines Where Relevant Passages or Figures Appear
2A				
2B				
2C				
2D				
2E				
2F				
2G				
2H				
2I				
2J				
2K				

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	PUBLICATION DATE	NAME OF PATENTEE OR APPLICANT	Pages/Columns/Lines Where Relevant Passages/Figures Appear	Check if Translation attached
2L					
2M					
2N					
2O					
2P					

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

2Q	""Hearing' Bond Breakage, Measurement of Bond Rupture Forces Using a Quartz Crystal Microbalance", F. N. Dultsev et al., Langmuir 2000, 16, pp. 5036-5040
2R	"Listening for Viral Infection", Erica Ollmann Saphire et al., Nature Biotechnology, September 2001, Vol. 19, pp. 823-824
2S	"Direct and Sensitive Detection of a Human Virus by Rupture Event Scanning", Matthew A. Cooper et al., Nature Biotechnology, September 2001, Vol. 19, pp. 833-837

EXAMINER

DATE CONSIDERED